

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Paul McCORMAC et al.)
Application No.: Unassigned) Group Art Unit: Unassigned
Filed: June 17, 2005) Examiner: Unassigned
For: PROCESS FOR PURIFYING)
OLIGONUCLEOTIDE SYNTHONS)

Commissioner for Patents
U.S. Patent and Trademark Office
Alexandria, VA 22314

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed within three months of the date of entry of the national stage in an international application.

Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

An International Search Report citing the listed documents and setting forth the relevance thereof is also enclosed for Examiner's consideration.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take

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appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-0310.

Respectfully submitted,

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Date: June 17, 2005

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Attorney Docket No. 056258-5107	Serial No. 107539202 Unassigned
PTO Form 1449		Applicants Paul McCORMAC et al.	
		Filing Date June 17, 2005	Group Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	5, 026,838	June 25, 1991	Nojiri RYUJI et al.			
	4,415,732	November 15, 1983	Caruthers MARVIN H. et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	<u>Translation</u>	YES	NO
	98/15581	April 16, 1998	WIPO					
	03/087130	October 23, 2003	WIPO					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	STAWINSKI et al: "NUCLEOSIDE H-phosphonates. 12. Synthesis of nucleoside 3'-(hydrogen-phosphonothioate) monoesters via phosphinate intermediates" JOURNAL OF ORGANIC CHEMISTRY, AMERICAN CHEMICAL SOCIETY, EASTON, US, no. 55, 1990, pages 3503-3506, XP002075156 ISSN: 0022-3263 page 3505.
	BHONGLE N N et al: " A Convenient Synthesis of Nucleoside 3'-H-Phosphonate Monoesters Using Triphosgene" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 36, no. 38, September 18, 1995, pages 6803-6806, XP004027390 ISSN: 0040-4039 PAGE 6804, line 15-19
	OZOLA V et al: "Use of Ammonium Aryl H-Phosphonates in the Preparation of Nucleoside H-Phosphonate Building Blocks" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 37, no. 47, November 18, 1996, pages 8621-8624, XP004068732 ISSN: 0040-4039 page 8623,

Examiner	Date Considered
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	